

ABSTRACT

A shut-off device (1) for protection against explosions in a pipe-line is fitted with a slide valve plate (10) movable transversely to the direction of flow (A). The slide valve plate is connected via a piston rod (25, 26) to a piston (27, 28) slidably guided in a cylinder (35, 36) and actuated by a pressure medium. The pressure medium is supplied from a pressure medium reservoir via a closing valve (45) to a working chamber (46, 47) of the cylinder (35, 36), thereby actuating the piston and causing the slide valve plate (10) to move into a position closing the pipe passage (4). At least one cylinder (35, 36) is arranged within a pressure chamber (40) enclosed by a housing (30), which forms the pressure medium reservoir. Thus, a compact, space-saving shut-off device is created which can be shut within a very short time.